IN THE SPECIFICATION:

Please amend the **Specification** as follows:

Please delete the paragraphs numbered [0007], [0008], [0009], and [0010], at pages 3 through 4 of the specification as originally filed.

Please add the following new paragraphs after the heading "SUMMARY OF THE INVENTION" at page 3 of the specification:

In an aspect of the invention, there is a method for optimizing performance of a database. The method comprises: sorting and categorizing a first set of columns within a view of the database; marking a second set of columns within the view as if the second set of columns were already sorted and categorized prior to actual sorting and categorizing of the second set of columns, the second set of columns including all columns exclusive of the first set of columns; and sorting and categorizing at least one column of the second set of columns in response to performing a query on the at least one column. The database is a non-relational database, the sorting and categorizing a first set of columns step includes assigning the first set of columns to a portion of a cache, the sorting and categorizing at least one column of the second set step includes sorting and categorizing the at least one column of the second set of columns in another portion of the cache, and the second set of columns is visible as collapsed data.

In another aspect of the invention, there is a method for optimizing performance of a non-relational database. The method comprises sorting and categorizing a first set of columns within a view of the non-relational database; marking a second set of columns within the view as if the second set of columns were already sorted and categorized prior to actual sorting and categorizing of the second set of columns, the second set of columns including all columns exclusive of the first set of columns; sorting and categorizing at least one column of the second set of columns in response to performing a query on the at least one column; maintaining the first set of columns in a

portion of cache; and maintaining the at least one column of the second set of columns in another portion of cache. The second set of columns is visible as collapsed data.

In another aspect of the invention, there is a system to optimize database performance, comprising computer program code in combination with hardware, the computer program code being stored on a storage media and comprising: a component to sort and categorize a first set of columns within a view of the database; a component to mark a second set of columns within the view, wherein the second set of columns comprises all columns within the view that are not in the first set of columns, and wherein the mark indicates that sorting and categorizing has been performed on the second set of columns without actually having performed the sorting and the categorizing; a component to sort and categorize at least one column of the second set of columns in response to a query on the at least one column; and a component to sort and categorize the at least one column of the second set in a portion of a cache and assign the first set of columns to another portion of the cache. The database is a non-relational database, and the second set of columns is visible as collapsed data.

In another aspect of the invention, there is a computer program product comprising a storage media having readable program code embodied in the storage media. The computer program product includes: a first computer program code to sort and categorize a first set of columns within a view of a database; a second computer program code to mark a second set of columns within the view, wherein the second set of columns comprises all columns within the view that are not in the first set of columns, and wherein the mark indicates that sorting and categorizing has been performed on the second set of columns without actually having performed the sorting and the categorizing; and a third computer program code to sort and categorize at least one column of the second set of columns in response to a query on the at least one column. The first set of columns are assigned to a portion of a cache, the at least one column of the second set of columns is assigned to another portion of the cache, the database is a non-relational database, and the second set of columns is visible as collapsed data.